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to average 42 mg/l. Even though the feed solids for run two dropped, the effluent did not respond and breakthrough occurred too rapidly. 3 gpm/ft² seems to give the desired performance whereas flows of 5 and 10 gpm/ft² do not.

Run number five was conducted bypassing the chemical system clarifier. The average feed solids concentration during this period was 502 mg/l. The filter performance was very poor with breakthrough of solids and terminal head pressure occurring very rapidly. Therefore, a gravity clarification step capable of removing at least 80% of the suspended solids (to 100 mg/l or less) is strongly recommended prior to filtration.